



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5415-1
Job Sheet 194261



Part No: D5415-1

Job Qty: 6 pcs

Part Name: Med Height Saddle



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 4/29/19

Job Tracking No:

Due Date: 6/14/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: D5415 REV.D IPP REV:A 16.09.16 NEW ISSUE DD VERF:JFS IPP REV:B 18.09.18 AS PER DWG REV.C DD VERF:DP IPP REV:C 19.02.15 NOW OUTSOURCE MACHINE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	6 pcs	6/14/19	6/14/19	0.00	0.00	Purchasing - 1		JUN 14 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	6 pcs	6/14/19	6/14/19	0.00	0.00	Packaging 2 - 1 - B4B		JUN 14 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		



Container No: S190507



Part: D5415-1

Job No: 194261

Serial No/Batch: S190507

Revision: D

Inspector:

Exp Date:

Instructions: Various STC's

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 06/14/19

Plex 6/14/19 10:56 AM dart.lussier.patrick

					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
111	QC 6	6 pcs	6/14/19	0.00 0.00	QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61 <i>Um</i>	<i>JUN 17 2019</i>
					QC 6 - 40	<i>661</i>
150	Packaging 3-1 - Stock - B4B	6 pcs	6/14/19	0.00 0.00	Packaging 3 - 1 - B4B	<i>9-89</i>
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B <i>ST30B</i>	<i>DAS</i>
					Packaging 3 - 5 - B4B	<i>74 JUN 18 2019</i>
					Packaging 3 - 6 - B4B	<i>9-89</i>
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
160	QC 21 - SA	6 pcs	6/14/19	0.00 0.00	QC 21 - SA - 21	<i>DAS</i>
					QC 21 - SA - 70	<i>21</i>
					QC 21 - SA - 53	<i>9-89</i>

Part Op **100** - Issue P/O: *042148* Manufacture D5415-1 as per Dwg D5415 Possible supplier: ETM industries Material
 Descriptions: release note is required.

- 110** - (Receive & Inspect for Damage & Mat'l Certs)
- 111** - (QC6- All purchased or subcontracted products)
- 150** - (Identify as per dwg & Stock Location: _____)
- 160** - (QC21- Final Inspection - Work Order Release)

x6 plus

PO Details

E.T.M. Industries Inc. (etm001-vc)



PO No: PO042148

Line No: 4

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D5415-1P	Mid Height Saddle	6 Ea (1 ea)	100-Purchasing	5190 505

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D5415-1P	6	0	0

Part Specifications

Specifications could not be found.

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042148



Supplier: ETM001-VC
E.T.M. Industries Inc.
310 Hall Avenue, Box 610
Renfrew
ON
K7V 4E7 Canada
Phone: 613-432-6136
Fax: 613-432-8212

PO No: PO042148
PO Date: 1/3/19
Due Date: 7/3/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	193389	D5415-1P			Mid Height Saddle : Various STC's	Received	-	4/15/19	2 Ea	2 Ea	0 Ea	\$975.00/Ea	\$0.00
Line Item Note FIRST ARTICLE INSPECTION BY DART QTY OF 1 BEFORE TOTAL PRODUCTION (MATERIAL 7050-T7451 OR T7651) 2 first units No Alodine , No Paint													
2	193390	D5415-3P			STD Height Saddle : Various STC's	Received	-	4/15/19	2 pcs	2 pcs	0 pcs	\$975.00/pcs	\$0.00
Line Item Note FIRST ARTICLE INSPECTION BY DART QTY OF 1 BEFORE TOTAL PRODUCTION (MATERIAL 7050-T7451 OR T7651) 2 first units No Alodine , No Paint													
3	194260	D5415-1P			Mid Height Saddle : Various STC's	Received	-	5/9/19	2 Ea	2 Ea	0 Ea	\$975.00/Ea	\$0.00
4	194261	D5415-1P			Mid Height Saddle : Various STC's	Firmed	-	6/14/19	6 Ea	0 Ea	6 Ea	\$975.00/Ea	\$5,850.00
5	194262	D5415-1P			Mid Height Saddle : Various STC's	Firmed	-	7/3/19	14 Ea	0 Ea	14 Ea	\$975.00/Ea	\$13,650.00



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PURCHASE ORDER

PO042148



Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	194263	D5415-3P			STD Height Saddle : Various STC's	Received	-	5/9/19	2 pcs	2 pcs	0 pcs	\$975.00/pcs	\$0.00
7	194264	D5415-3P			STD Height Saddle : Various STC's	Firmed	-	6/5/19	6 pcs	0 pcs	6 pcs	\$975.00/pcs	\$5,850.00
8	194265	D5415-3P			STD Height Saddle : Various STC's	Firmed	-	6/19/19	10 pcs	0 pcs	10 pcs	\$975.00/pcs	\$9,750.00
9	194266	D5415-3P			STD Height Saddle : Various STC's	Firmed	-	7/3/19	10 pcs	0 pcs	10 pcs	\$975.00/pcs	\$9,750.00

Grand Total: \$44,850.00

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/14/19 10:56 AM dart.lussier.patrick

E.T.M. INDUSTRIES INC.
310 HALL AVENUE
BOX 610
RENFREW, ON K7V 4E7
Canada

Ph: 613-432-6136

Fax: 613-432-8212

Pack List

Number: 142895

Date: 10-Jun-19

To

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

Ship To

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

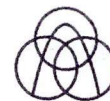
Fax: 613-632-5246

Ph: 613-632-5200

Fax: 613-632-5246

Terms		Ship Via	
Net 30 days			
Quantity	Description		
6 each	Part: D5415-1P MID HEIGHT SADDLE:VARIOUS STC SO: 25055 **LOT #105810		
		Rev: C	Line: 004
		PO: PO042148	
CERTIFICATE OF COMPLIANCE: "I hereby certify that the material described above is in conformance with applicable physical and dimensional specifications; that it was manufactured in accordance with applicable process specifications; and has been inspected to verify conformance to those specifications."  APPROVED SIGNATORY (QUALITY ASSURANCE)			

RECEIVED
JUN 13 2019
DART AEROSPACE LTD.



thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

DELIVERY NOTE COPY



E T M INDUSTRIES INC
310 HALL AVE
RENFREW ON K7V 2S5

15641

DATE: 03/19/2019
DOC. NO: 2406617006*
BOL. NO: 2406617006
ORDER NO: 1403986850
YOUR P/O: 113485
CUSTOMER NO: 10058273
Route: 303UB
CONTACT: Lynn Philibert
TEL: 514-789-1660
FAX: 514-745-2968
EMAIL: lynn.philibert@thyssenkrupp.co
m

MTR'S AND COFC'S REQUIRED WITH EVERY SHIPMENT

EMAIL TO JLOWE@ETMINDUSTRIES.ON.CA*

MUST INCLUDE THE FOLLOWING INFORMATION:
COMPANY NAME, SALES ORDER#, P.O.#, ITEM#, AND
DESCRIPTION OF PRODUCT &
SPECIFICATIONS (IE. ASTM SPECS)

DO NOT CHARGE ENERGY SURCHARGE (JUNE 2011)

> CLOSE AT NOON ON FRIDAY <

Client: E T M INDUSTRIES INC Renfrew, ON K7V 4E7, CA

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAGE
0010	ALFLR01070 7050 Aluminum T7451 US1 Type1 Plate 4.50000 (+-.145) X Width 8.1250 +.1250 X Length 13.2500 +.1250 Plate Sawing - Standard Actual Chemistry/Act. Physical Standard Packaging Cust Part No.: 105809/10/11	24 PC 1,201.401 lb	1009623078
TAGNUM	QTY	UOMVEND	VENDPO
1014853195	24	PC CONSTELLI	5400435736
SAE AMS 4050J; SAE AMS-STD-2154 TYP 1 CL A; BAMS 516-003 REV B; BMS7-323 Type 1; BSS			
7055J; A; DMS 2233/2006; DPS 4.713 CL A; GAMPS 9101 CL A; MMS 1420/G; ASTM B 594/2013 CL A			

HLOT
9444752

PCS --- COM
24

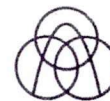
Total Gross Weight

1251.401 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID

DART

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MAR 19 2019



thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

DELIVERY NOTE COPY

E T M INDUSTRIES INC
310 HALL AVE
RENFREW ON K7V 2S5

DATE:	03/19/2019
DOC. NO:	2406617006*
BOL. NO:	2406617006
ORDER NO:	1403986850
YOUR P/O:	113485
CUSTOMER NO:	10058273
Route:	303UB
CONTACT:	Lynn Philibert
TEL:	514-789-1660
FAX:	514-745-2968
EMAIL:	lynn.philibert@thyssenkrupp.com

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date où la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance

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MAR 19 2019



Constellium

Naacap
Materials Testing Laboratory

Constellium Rolled Products
Ravenswood, LLC

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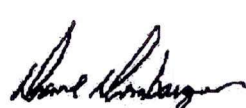
T
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COPPER & BRASS SALES, INC
1500 CHEROKEE PARKWAY SUITE 120
ACWORTH GA
30102
US

S
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T
O

COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110738030		2994F		INCLUSION		Serial:20190223-0110738030		Pg 1of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400430914-R05						Constellium ORDER NO. 268487					
ALLOY 7050	CLAD	TEMPER T7451	GAUGE 4.50000 in 114.30 mm	WIDTH 60.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunbarger - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION BMS 7-323E TYPE I											
PART NUMBER ALFLR01070			B/L NUMBER 113828		DATE SHIPPED 02/24/2019						
WT. SHIPPED 8130.000 LB		NO. OF PIECES 000002		GOVT. CONTRACT NO. GLOBID							

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.12" DEADZONE Class A
 AMS 4050J
 AMS-STD-2154C 2017 TYPE1 CLASS A 100% SONIC MINUS DEADZONE
 BAMS 516-003 REV B
 BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
 DMS 2233G
 DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
 GAMPs 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
 MMS 1420G

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001989372	4,065.000	1,843.851	9444752	01		
1001989373	4,065.000	1,843.851	9444752	02		

Lot: 9444752 (See test results below)

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
L	02	74.2	74.4	66.5	66.9	11.0	11.5	
LT	02	74.8	75.3	65.3	65.8	9.5	10.0	
ST	02	71.3	71.8	61.0	61.0	6.0	6.0	

PO# 113485
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MAR 19 2019

P-860-155D REVISED: 01 2018

From: TK Materials CA, Ltd.

Cust. E T M INDUSTRIES INC

CstAr 105809/10/11

Wgt.: 1,201.401 LB

Del.: 2406617006

CstOr 113485

Date 03/14/2019

Tomas Sanchez

Constellium

Naacap
Materials Testing Laboratory

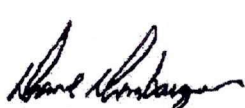
CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

S
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COPPER & BRASS SALES, INC
1500 CHEROKEE PARKWAY SUITE 120
ACWORTH GA
30102
US

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COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110738030		2994F		INCLUSION		Serial:20190223-0110738030		Pg 2of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400430914-R05						Constellium ORDER NO. 268487		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunbarger - Laboratory Manager			
ALLOY 7050	CLAD	TEMPER T7451	GAUGE 4.50000 in 114.30 mm	WIDTH 60.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm						
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION BMS 7-323E TYPE I											
PART NUMBER ALFLR01070		B/L NUMBER 113828		DATE SHIPPED 02/24/2019							
WT. SHIPPED 8130.000 LB		NO. OF PIECES 000002		GOVT. CONTRACT NO. GLOBID							

Tensile - Room Temperature (SI)								
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
L	02	512	513	459	461	11.0	11.5	
LT	02	516	519	450	454	9.5	10.0	
ST	02	492	495	421	421	6.0	6.0	

Fatigue		Report: WM 20919001189
Minimum Fatigue: 300.0 KCycles Fatigue Log Average: 300.0 KCycles		

FRACTURE TOUGHNESS (US)	
Direction	Result KSI (SQRT.IN.)
L-T (KIC)	30.4
S-L (KIC)	25.7
T-L (KIC)	26.8

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MAR 19 2019

P-860-155D REVISED: 01 2018

From: TK Materials CA, Ltd.

Cust. E T M INDUSTRIES INC

CstAr 105809/10/11

Wgt.: 1,201.401 LB

Del.: 2406617006

CstOr 113485

Date 03/14/2019

Thomas Sanchez



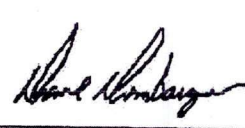
Constellium Rolled Products
Ravenswood, LLC

S
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COPPER & BRASS SALES, INC
1500 CHEROKEE PARKWAY SUITE 120
ACWORTH GA
30102
US

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COPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110738030		2994F		INCLUSION		Serial:20190223-0110738030		Pg 3of4					
CUSTOMER PURCHASE ORDER NO. & ITEM 5400430914-R05						Constellium ORDER NO. 268487									
ALLOY 7050		CLAD		TEMPER T7451		GAUGE 4.50000 in 114.30 mm		WIDTH 60.50000 in 1,537 mm		LENGTH 144.50000 in 3,670 mm					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH						CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunbarger - Laboratory Manager									
CUSTOMER SPECIFICATION BMS 7-323E TYPE I				PART NUMBER ALFLR01070								B/L NUMBER 113828		DATE SHIPPED 02/24/2019	
WT. SHIPPED 8130.000 LB		NO. OF PIECES 000002		GOVT. CONTRACT NO. GLOBID											
FRACTURE TOUGHNESS (SI)															
Direction		Result MPa (SQRT.M.)													
L-T (KIC)		33													
S-L (KIC)		28													
T-L (KIC)		29													
STRESS CORROSION FACTOR NC24.6 SC25.2															
Conductivity % IACS MIN 40.6 MAX 40.7 % MS/M MIN 23.5 MAX 23.6															
Chemistry (Actual)															
		SI	FE	CU	MN	MG	CR	ZN	TI	ZR					
Core		0.05	0.08	2.17	0.00	2.02	0.00	6.15	0.04	0.09					
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER															
All material contained in this lot was cast and manufactured in the USA															
P-860-155D REVISED: 01 2018															

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From: TK Materials CA, Ltd.

Cust. E T M INDUSTRIES INC

CstAr 105809/10/11

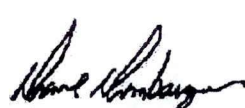
Wgt.: 1,201.401 LB

Del.: 2406617006

CstOr 113485

Date 03/14/2019

Constellium**naacap**
Materials Testing Laboratory**Constellium Rolled Products**
Ravenswood, LLCS
H
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P
T
OCOPPER & BRASS SALES, INC
1500 CHEROKEE PARKWAY SUITE 120
ACWORTH GA
30102
USS
O
L
D
T
OCOPPER & BRASS SALES
PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110738030		2994F		INCLUSION		Serial:20190223-0110738030		Pg 4of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400430914-R05						Constellium ORDER NO. 268487					
ALLOY 7050	CLAD	TEMPER T7451	GAUGE 4.50000 in 114.30 mm	WIDTH 60.50000 in 1,537 mm	LENGTH 144.50000 in 3,670 mm		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunbarger - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION BMS 7-323E TYPE I											
PART NUMBER ALFLR01070			B/L NUMBER 113828		DATE SHIPPED 02/24/2019						
WT. SHIPPED 8130.000 LB		NO. OF PIECES 000002		GOVT. CONTRACT NO. GLOBID							

QUALITY TEXTS:
Constellium Rolled Products Ravenswood, LLC (Constellium) certifies that all metals and materials supplied are in compliance with European Union Directives 2002/95/EC and 2011/65/EU. Constellium further certifies that a copy of these directives, which provides restrictions on the use of certain hazardous substances (RoHS) in electrical and electronic equipment, have been received and read in their entirety.

Constellium understand and agrees, as a supplier that it is responsible for meeting the requirements of the RoHS and RoHS2 directives.

113485

105809
105810
105811

RECEIVED

MAR 19 2019

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT

WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399. WHEN SMOOTH FATIGUE TESTED, TESTED PER ASTM E466.

WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557

DUNS Number: 090570149; CAGE Code: 1YWL9

100% Type I (immersion sonic) used when ultrasonic inspection performed.

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.

P-860-155D REVISED: 01 2018

From: TK Materials CA, Ltd.

Cust. E T M INDUSTRIES INC

Del.: 2406617006

CstAr 105809/10/11

CstOr 113485

Wgt.: 1,201.401 LB

Date 03/14/2019



SIGNATURE AEROSPACE

6090 VANDEN ABEELE, ST-LAURENT, QUÉBEC, H4S1R9 Tel.:514-333-4703 Fax.:514-333-4704

Certificat de Conformite Certificate of Compliance

166734 - 1

Client / Customer:

ETM INDUSTRIES INC.
PO BOX 610, 310 HALL AVE
RENFREW, ON, K7V4E7
CANADA

BUYER:

Date de Facture Invoice Date		Engendrer Par Generated By		Transport Courier		Customer Purchase Order No. P.O. Client	
05-Jun-2019		James Brennan, Prod. Manager				114666	
Sub Contract References				Process Details			
				CHEMICAL CONVERSION COAT PER DART QSI005 4.1 PRIME INSIDE AND OUTSIDE PER DART QSI005 4.2.1.3.3 (FLOAT SKIDTUBE PRIMER) PAINT OUTSIDE PER DART QSI005 4.2.2.4 (FLOAT SKIDTUBE PAINT) **DART REQUIRES PAINT COLOR TO BE "WHITE"***			
Line Item	Quantite Quantity	No. de Serie / Part Number Line Item Details	Part Rev.	Autre Information Additional Information		Drawing No. & Revision Masking Details (as applicable)	
001	6	D5415-1P MID HEIGHT SADDLE; VARIOUS STC MAT: 7050-T7451	D	JOB/ORDER #:105810,		- MASK HOLES PRIOR TO PRIME AND PAINT PER NOTE 8	

Ceci est pour certifier que les articles inscrits ont été procédées, inspectés et mis à l'essai selon votre bon de commande, dessins et spécifications.

This is to certify that the items listed herein have been processed, inspected and tested in accordance with your Purchase Order, drawings and specification requirements.

Signer pour et au nom de Signature Aerospace Ltd. / Signed for and on behalf of Signature Aerospace Ltd.